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(21) International Application Number: PCT/EP99/02432 (22) International Filing Date: 9 April 1999 (09.04.99) (30) Priority Data: MI98A000773 10 April 1998 (10.04.98) IT (71) Applicant (for all designated States except US): CHEMI S.P.A. [IT/IT]; Via Vadisi, 5, I-03010 Patrica (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): PICCOLO, Oreste [IT/IT]; Via Bornò, 5, I-23896 Sirtori (IT). GANCIA, Emanuela [IT/GB]; 10B Whinbush Road, Hitchin, Herts SG5 1PN (GB). ZALIANI, Andrea [IT/IT]; Via Cimabue, 6, I-20148 Milan (IT). BONIFACIO, Fausto [IT/IT]; Via G. D'Arezzo, 9, I-04100 Latina (IT). (74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi S.p.A., Corso di Porta Vittoria, 9, I-20122 Milan (IT).	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(54) Title: CHIRAL PHOSPHORATED LIGANDS USEFUL IN CATALYSTS (57) Abstract Described herein are new atropo-isomeric chiral phosphorated ligands having C ₁ symmetry, the procedure for their preparation, the organometallic complexes containing said ligands in optically active form, and the use of said complexes as catalysts in stereoselective syntheses.		

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